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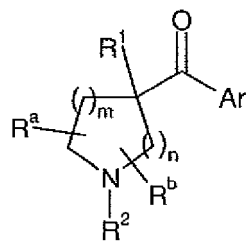
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(54) **Heteroaryl pyrrolidinyl and piperidinyl ketone derivatives**

(57) Compounds of the formula:



or pharmaceutically acceptable salts thereof,
wherein m, n, Ar, R¹, R², R^a and R^b are defined herein.
Also provided are pharmaceutical compositions, methods of using, and methods of preparing the compounds.



PARTIAL EUROPEAN SEARCH REPORT

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

EP 10 19 0446

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			TECHNICAL FIELDS SEARCHED (IPC)
			C07D A61K A61P
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out. Claims searched completely : Claims searched incompletely : Claims not searched : Reason for the limitation of the search: see sheet C			
Place of search		Date of completion of the search	Examiner
Munich		20 July 2011	Weisbrod, Thomas
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EP 10 19 0446

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PARTIAL EUROPEAN SEARCH REPORT

Application Number
EP 10 19 0446

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PARTIAL EUROPEAN SEARCH REPORT

Application Number
EP 10 19 0446

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X	WO 2004/024720 A1 (MERCK & CO INC [US]; BAKSHI RAMAN KUMAR [US]; NARGUND RAVI P [US]; PAL) 25 March 2004 (2004-03-25) * Pages 68-69, piperidine intermediate 27. *	1,7,11, 16,17,21	TECHNICAL FIELDS SEARCHED (IPC)
X	WO 2005/047253 A1 (LG LIFE SCIENCES LTD [KR]; YAMANOUCHI PHARMA CO LTD [JP]; LEE KOO [KR]) 26 May 2005 (2005-05-26) * Page 31, table 2: intermediate 7; with regard to "Pyd" cf. page 29, line 6. *	1,7,11, 16,17,21	
X	WO 97/19073 A1 (MERCK SHARP & DOHME [GB]; CHAMBERS MARK STUART [GB]; HOBBS SARAH CHRIS) 29 May 1997 (1997-05-29) * Abstract; claims 1, 9; page 2, lines 11-21; page 43, example 9. *	1,7,11, 13,16, 17,21,22	
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PARTIAL EUROPEAN SEARCH REPORT

Application Number
EP 10 19 0446

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PARTIAL EUROPEAN SEARCH REPORT

Application Number
EP 10 19 0446

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PARTIAL EUROPEAN SEARCH REPORT

Application Number
EP 10 19 0446

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PARTIAL EUROPEAN SEARCH REPORT

Application Number

EP 10 19 0446

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		1,5,7,8	
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PARTIAL EUROPEAN SEARCH REPORT

Application Number
EP 10 19 0446

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**INCOMPLETE SEARCH
SHEET C**

Application Number

EP 10 19 0446

Claim(s) searched incompletely:
1-23

Reason for the limitation of the search:

The initial phase of the search revealed a large number of documents relevant to the question of novelty of the application. So many documents were retrieved that it is impossible to determine for which (Ar)(pyrrolyl and phenyl) compounds (I) protection might legitimately be sought (Article 84 EPC). Therefore, the search has been restricted to (i) the claims 18-23 in as far as they relate to compounds VI to IX with Ar = optionally substituted phenyl, and based on claim 23 to (ii) compounds (I) with Ar = optionally substituted pyrrolyl or optionally substituted phenyl according to claim 1 and its dependent claims for use in a method for treating depression, anxiety, or both.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 10 19 0446

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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20-07-2011

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EPO FORM P0459

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